

28/01 2031 TUE 13:50 FAX 01932 762388 PATENTS DEPARTMENT

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DOCKET NO: 215391US0PCT

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FEB 10 2004
TC 1700

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

MARIE-PAULE COLLARD, ET AL.

: EXAMINER: PETER D MULCAHY

SERIAL NO: 09/926,414 :

FILED: OCTOBER 29, 2001

: GROUP ART UNIT: 1713

FOR: COMPOSITIONS FORMED OF
POLYOLEFINS, PROCESS FOR THEIR
PREPARATION AND USE OF THESE
COMPOSITIONS

PETITION UNDER 37 C.F.R. § 1.132

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes COLLARD who deposes and states:

1. That I am a named Inventor in the above-identified application.
2. I am a graduate of Southern and received my PhD degree in the year 1984.
3. I have been employed by Solvay since 1989 and I have been conducting research in the field of polymers for 15 years.
4. I have read and understood the contents of EP 0882571A1 (corresponding to US 6,057,017) which the Examiner has cited against the claims in the above-identified application.
5. In order to demonstrate the improved viscosity and thermal stability of functionalized-polyethylene compositions, the following experiments were carried out by me or under my direct supervision and control.

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6. A procedure that is the same as that in Example 1 on page 13, lines 12-28 of the specification as originally filed in the above-identified application except that the stabilizing agent was stearyl-beta-(3,5-di-t-butyl-4-hydroxyphenyl)-propionate was carried out. This stabilizing agent contains one or more sterically hindered groups and only one (1) ester group. Measurements of the melt flow index and of the thermal stability were carried out in the same manner as described for Example 1 in the originally filed specification of the above-identified application. The results of these measurements are tabulated below.

Table 1

Composition	Ester functions	MI ₅ without hydrolysis dg/min	MI ₅ after hydrolysis dg/min	Thermal stability without hydrolysis, Minutes	Thermal stability after hydrolysis, minutes
Example 3	1	7.1	6.0	5.5	0

7. The tests for MI₅ and thermal stability are art-recognized tests and each test produces statistically significant results.

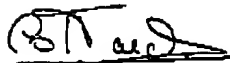
8. The undersigned petitioner declares further that all statements made herein of her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Received at: 8:50AM, 1/28/2004

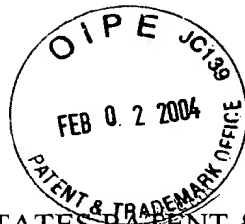
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9. Further deponent saith not.


Signature
27.01.04
Date

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9. Further deponent saith not.

Signature

Date